SYSTEM AND METHOD FOR INTERFEROMETER NON-LINEARITY COMPENSATION

Abstract of the Disclosure

A system and method for non-linearity compensating interferometer position data includes receiving a plurality of groups of digital position values. A first group of the digital position values are digitally processed to generate a plurality of data values. The plurality of data values are digitally processed to

5   generate at least one quasi-static non-linearity parameter. A second group of the digital position values are compensated based on the at least one non-linearity parameter.